

WHAT IS CLAIMED IS:

1. A clamping assembly for clamping a device under test, comprising:
4 a stationary member having one or more clamping devices each of
which comprises clamp actuation means and clamping means responsive to
6 actuation of said clamp actuation means to activate clamping action of said
one or more clamping devices of said stationary member;

8 an active clamp member having one or more clamping devices, said
active clamp member responsive to an actuator to physically move said
10 active clamp member relative said stationary member in order to engage
said one or more clamping devices of said active clamp member with a first
12 set of corresponding clamping features on said device under test and to
physically move said device under test to cause actuation features on said
14 device under test to engage said clamp actuation means of said one or more
clamping devices on said stationary member to activate said clamping action
16 of said one or more clamping devices on said stationary member with a
second set of corresponding clamping features on said device under test.

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2. A clamping assembly in accordance with claim 1, wherein:
20 said active clamp member comprises one or more tabs that slide
underneath corresponding flanges on said device under test when said
22 active clamp member is actuated by said actuator.

24 3. A clamping assembly in accordance with claim 1, wherein:
said stationary member comprises one or more rotating clamps, each
26 having a clamp engagement member and a clamp hook, and each rotating
said clamp hook into a respective slot in said DUT upon engagement of said
28 clamp engagement member with a feature of said DUT as said DUT is
physically moved.

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4. A clamping assembly for clamping a device under test, comprising:
32 a stationary member having one or more rotating clamping devices
each of which comprises clamp engagement member and a clamp hook,

wherein said clamp engagement member is responsive to engagement force
2 to rotate said clamp hook to a rotated position;

an active clamp member comprising one or more tabs, said active
4 clamp member responsive to an actuator to physically move said active
clamp member relative said stationary member in order to engage said one
6 or more tabs with a first set of corresponding one or more receptacles on
said device under test and to physically move said device under test to
8 cause actuation features on said device under test to engage said clamp
engagement members of said one or more rotating clamping devices of said
10 stationary member to rotate said respective clamp hooks of said one or more
rotating clamping devices into a second set of corresponding one or more
12 receptacles on said device under test.

14 5. A clamping assembly in accordance with claim 4, wherein said first
set of one or more receptacles on said device under test comprises one or
16 more flanges and actuation of said active clamp member causes said one or
more tabs to slide underneath corresponding ones of said one or more
18 flanges.

20 6. A clamping assembly in accordance with claim 5, wherein said
second set of one or more receptacles on said device under test comprises
22 one or more slots for seating said respective clamp hooks of said one or
more rotating clamps when said actuation features on said device under test
24 fully engage said clamp engagement members of said one or more rotating
clamping devices.

26 7. A clamping assembly in accordance with claim 4, wherein said
28 second set of one or more receptacles on said device under test comprises
one or more slots for seating said respective clamp hooks of said one or
30 more rotating clamps when said actuation features on said device under test
fully engage said clamp engagement members of said one or more rotating
32 clamping devices.

2 8. A method for clamping a device under test, said method
3 comprising:
4 actuating an active clamp member to physically move a first set of
5 one or more clamping devices to engage a first set of corresponding
6 clamping features on said device under test;
7 continuing actuation of said active clamp member to physically move
8 said device under test once said first set of one or more clamping devices
9 are fully engaged, said physical movement of said device under test causing
10 engagement of a second set of one or more clamping devices via features
11 on said device under test to actuate said second set of one or more
12 clamping devices.

13 8. A method in accordance with claim 9, further comprising:
14 reversing said actuation of said active clamp member to disengage
15 both said first set of one or more clamping devices and said second set of
16 one or more clamping devices from said device under test.